

ABSTRACT OF THE DISCLOSURE

The invention relates to a cylinder head (1) for a liquid-cooled multi-cylinder internal combustion engine, with a cooling chamber configuration (3) adjacent to a fire deck (2), which is partitioned by an intermediary deck (4) essentially parallel to the fire deck (2) into a lower cooling chamber (5) next to the fire deck and an upper cooling chamber (7) adjoining the lower cooling chamber in the direction of the cylinder axis (6), where lower and upper cooling chambers (5, 7) are flow-connected by at least one main transfer opening (22) for each cylinder (A, B) in the area of the side wall (1c) of the cylinder head (1) and by at least one auxiliary transfer opening (9a, 9b) in the region of a preferably central opening (20) for the insertion of a fuel injection device (11).

In order to improve cooling it is proposed that at least one auxiliary transfer opening (9a, 9b) be configured as a recess (20a, 20b) in the insertion opening (20), and that at least one first auxiliary transfer opening (9a, 9b) be located in at least one of the areas (30, 31) between intake passage (16) and insertion opening (20) and/or exhaust passage (17) and insertion opening (20).

Fig. 1